		GAC	AGA	.cgg	+ GTA	GAC	TTA	TTG		TCT	+				4							60
c										М	G	L	V	I	F	L	Н	G	s	G	s	_
	6	CTG	GTA	ATG.	AAG	TCA	TAG	AAG	GCC	ccc.	AGA.	ATG	CAA	CAG'	TCC:	rga.	AGGC	CTC	CCA	GGC	TC	
	0.	GAC	CAT	TAC'	TTC.	AGT	ATC	TTC	CGG	GGG	+ TCT	TAC	GTT	GTC.	AGG	ACT	rccc	GAG	GGT	CCG	-+ AG	120
c		G	N	E	v	I	Е	G	P	Q	N	А	Т	v	L	K	G	S	0	Α	R	_
	101	GCT	TCA.	ACT	GCA	CCG'	тст	CCC	AGG	GCT	GGA.	AGC'	rca'	rca:	rgro	GGG	TCI	'CAG	TGA	CAT	GG	
	121		AGT		+			-+-			+				L	·		4.				180
C		F								W												_
	1.01	TGG	TGC	raac	GCG1	rca	GGC	CCA	rgg.	AGC	CA	rca1	CAC	CCA	ATG#	CCG	CTT	CAC	CTC	TCA	GA	
	101	ACC	ACG	ATTC	GC	AGT	CCG	GGT.	ACC'	rcgo	GT?	AGTA	GTO	GTT	ACI	GGC	GAA	+ GTG	GAG	AGT	-+ CT	240
С		v	L	s	v	R	P	М	Е	P	I	I	т	N	D	R	F	т	s	0	R	_
	241	GGT.	ACG	ACCA	AGGG	GCGC	GA/	ACT:	rca(CCTC	GGF	GAT	'GA'I	CAT	CCA	CAA	TGT	GGA	GCC	CAG'	rg	
	241	CCA	TGCT	rggi	ccc	GCC	CTT	rga <i>i</i>	GTO	GGAG	CCI	CTA	CTA	GTA	GGT	GTT	ACA	+	CGG	GTC.	AC	300
C			D																			_
	3.0.1	ATT	CGGC	GAA	CAT	CAG	ATO	CAC	CCI	rcca	GAA	CAG	TCG	ССТ	GCA	TGG	ATC'	rgc:	rta(CT'	ΓA	
	301	TAA	GCCC	CTT	GTA	GTC	TAC	GTC	GGI	AGGT	CTT	GTC	AGC	GGA	CGT	ACC	TAG	+	ATC	GA/	+ AT	360
С		s	G	N	I	R	С	s	L	Q	N	S	R	L	Н	G	s	A	Y	L	т	_
	361	CCG'	CCA	AGT	TAT	GGG	AGA	GCI	GTI	CAT	TCC	CAG	TGT	TAA	TCT	TGT.	AGT	GC1	GAG	CAA	G	
	501	GGC	AGGT	TCA	ATA	ccc	TCT	CGA	CAA	GTA	AGG	GTC	ACA	ATT	AGA.	ACA	rcac	GCGA	CTC	TTA	C.	420
C		V	Q	v	M	G	E	L	F	I	P	s	v	N	L	v	v	А	E	N	E	_
	421	AACC	TTG	TGA.	AGT	TAC	TTG	TCT	ACC	CTC	ACA	CTG	GAC	CCG	GCT	ccc	GAT	TTA	TCC	TGG	G	
		TTGG	AAC	ACT	TCA.	ATG	AAC	AGA	TGG	GAG	TGT	GAC	CTG	GGC	CGA	GGG	CTF	TAA	AGG	ACC	Ċ.	480
С		P	C	E	V	Т	С	L	P	s	Н	W	т	R	L	P	D	I	s	W	E	_
	481	AGCT	CGG	TCT	CCT	GGT	CAG	CCA	TTC	AAG	CTA'	TTA'	rtt'	rgt'	rcco	GGA	GCCC	AGC	GAC	СТТ	С	
		TCGA	GCC.	AGA	GGA	CCA	GTC	GGT.	AAG	TTC	GAT	AATA	\AA	ACA	AGG	CTC	GGG	TCG	CTG	GAA	+ ! G	540
С		L	G	L	L	V	s	Н	s	s	Y	Y	F	v	P	E	P	S	D	L	Q -	-
		AAAG																				
		TTTC	ACGʻ	rca(CTCC	GTA	GGA	CCG	AGA	CTG	GG'	rgro	TCC	STTA	ACCC	TGA	AAC	TGA	ACG	CAC	+ 6	00
С		S	A	V	S	I	L	Α	L	T	P	Q	s	N	G	Т	L	T	c '	v.	Α -	

FIGURE 1 (con't)

	6																					
							0.10		COG	GC G	LICA	JOMC	GII	GAC	ATT	l'AG,	AGT	GAC.	ACT	AAG	CCF	1
С			Т	W	K	S	L	K į	A I	R 1	ς ς	S A	Т	v	N	L	Т	v	I	R	c	-
	66	GT 51	CCC	CAA	GAC	CACT	GGA	GGT	GT/	ATT	ATA	TTC	CAG	GTG	TAT:	PATO	CAA	GTT:	FAC	CGA	STT	
		51 CA	.GGG	GTI	CTC	TGA	CCT	CCAC	CAT	CAAT	TAT	'AAG	GTC	CAC	+	TAC	TT(CAA	ATG		+ 44°	720
С			P	Q	D	Т	G (3 6	; ;	I N	I	P	G	v	L	S	S	т.	D	· ·	т.	
	7.0	TA	GGT	ттт	TCA	ጥጥር	Cm2	Cmr	2000			m										
	12	1 AT	CCA	aaa	-+- AGT	AAC	GGAT	GAA	CCC	CGT	TTC	AAC	CTG:	4	TCA	TCC		-+	CM		+	780
С						L I																
	7.0	TG	ACG	CCG	ACG	тстг	CTV	mm a	022	m » a	-a-	~~										
	TGACGCGACGTGTACTCTTACAATACGCTGCTGCTGCCGCCGTCGTTGTTGTGGCT ACTGCGGCTGCACATGAGAATGTTATGCGACGACGACGACGAGCAACAACACCGA C T P T C T L T I R C C C C R R R C C G C C GCAACTGCTGCTGCTGCTGTTGTTCTTCTGCTGTAGAAGAAAAAAAA															840						
С		2	r 1	P :	r (с т	L	т	т.	R	C	C	ی میں	C	566	566	AGC	AAC	AAC	ACC	GA	
		GCZ	AC	rgen	rccr	racc	COO	C TOTAL	cmm	TOM:	2000											
	84	CG1	TG	CG	-+	ACGG	CAA	-+			+-		MAG	+	AAG.	AGG.	ATT	TCG +	TAT	TCA	AT -+	900
С						1000	CIM	CAA	CMM	4GA(CAC	ATC	TTC	TTT	TTC'	rcc	PAA	AGC.	ATA	AGT	TΑ	
		mm-				R		C	F	С	С	R	R	K	R	G	F	R	Ι	Q	F	-
	901	AAG			+	CTG.	AAA.	AAG/	AGAZ	AGAC	AAA -+-	CAA	AGA	AAC'	TGAC	SAC	AGA.	AAG'	rgg.	AAA	rg -+	960
С								1101		CIC	1.1.1	GTT.	TCT	TTG	ACTO	TG	CT	PTC/	JCC.	rtt/	AC.	
		Q		K	S	E	K	Е	K	Т	N	K	E	T	Е	Т	Ε	s	G	N	Е	-
	961	AAA TTT	ACT	CCG	GCT +	ACA	ATTO	AGA	TGA	ACA	AAA -+-	GAC	CAC	AGAC	ACC	GCI	TC	гстс	CCT	rccc	CA	. .
								1101	AC I	161	1.1.1	CTG	σT'G'.	rcre	TGG	CGA	AGA	AGAG	GG.	AGGC	T	
С		N	S	G	Y	N	S	D	E	Q	K	т	T	D	T	A	S	L	P	P	ĸ	_
	1021	AAT	CCT	GTG.	AAT	CCAC	TGA	TCC	TGA	ACA	AAG.	AAA	CAGI	ΓAGC	TGT	GGC	CCI	сст	CAC	CAG	C	
		TTAC	GGA	CAC	TTA	GGTC	ACT	AGG	ACT	TGT	TTC	TTTC	STC	TCG	ACA	CCG	+ GGA	GGA	GTG	GTC	+ : G	1080
С						s																
	1081	GGGC	TG	ATC	220	CTCC	ACC	CAC	~~~													
	1081	CCCC	ACI	AG	TG	CAGG	TGG	GTC	CGG.	rcg:	-+ PTC <i>I</i>	GTA	GGT	GTC	CGA	AGA	+ AAA	TTA	GAC	ccc	+ 1	140
C		A	D	Q	R	P	P	R	P	А	s	Н	P	0 .	Α :	5 1	7	NT 1	r.	λ .		
	1144	GTCC	TGA	CAD	CCT	ר א כי	י מי מיים	TA C 7	300	nom.											-	
	1141	CAGG		+				+					11	75								
С		P	E			s					v	*	_									
									-	•	•		-									

														Œ 2										
		1	AG	rga:	rca:	TGGT	rggc	CAGO	AGC	CAT	'GGA	λAA	AT/	AGA	GAC	CCA	CCC	GGT	rcm	360	:ጥር	TC	א וחב	7.
		-	TCA	CT	AGT	ACCA	CCC	TCC	TCG	GTA	CCI	TT	+ TAT	CTO	TG	+	GGG			+			51'A.	A + 60
b					М	v	А	G	А	м	E	N	_			0.01	-	- CAA	MUA!	٠٠.	AG	ACC	'AT	r
			TGA	AGI	r_{Δ}	PACA	ACC	ccc	001															
		61	 acm	TCA	Cma	PAGA			-+-		160		JAG +	TCC	TG	AAG(GCT	rccc	AGO	CT	CG	CTT	'CA	A - 120
b		•										'	-10	2100	MAC 1	100	CGA	reece	TCC	:GA	GC(GAA	GT1	,
			Е	V	1	Ε	G	Р	Q	N	A	R	V	L	F		; s	Q	A		R	F	N	-
	1	21 -	CTG	CAC	CGT	CTC	CCA	GGG	CTG	GAAC	CT	CAI	'CA	TGT	'GGG	СТС	TCA	GTG.	ACA	TG	GTO	GT	GCT	180
		C	AC	GTG	GCA	GAG	GGT	ccc	GACC	TTC	GA	GTA	GT	ACA	CCC	GAG	AGT	CAC	+ FGT	ACC		·	+	180
b			С	T	V	s	Q	G	W	ĸ	L	I	М	W	А	т.	S	n	M	,	,		-	
	1.	. A	AGC	CGTO	"AGG	cccc	ገለ ጥር	2020	2000				_											
	13	T -	TCC	CAC	TCC	CGGG	TAC	CTC	+	TAC	TAC	-+	Conn			-+-			-TC	AGF		TAC	:GA	240
b												,10	GI,	AC.	166	UGA,	AGT (J GAC	AG:	Γ CT	CC.	ATO	CT	
		C	- Cac	·		P		E	P	Ι.	T	Т	N	D	R	F	т	S	Q	R		Y	D	-
	24	11 - G			+	BAAC	TTC	ACC	TCG +	GAG	ATG	AT(CAT	CCA	CAZ	ATG:	rggz	AGCC	CAC	TG	ΑT	TCG	GG	
												1220	3 1 7.7	.661	GT.	ACA	rcc.	CGG	GTC	:AC	TAX	AGC	CC	
b		(2	G	G	N :	F	Т.	S I	E 1	ď	Ι	I	Н	N	v	E	P	s	D	5	3	G	_
	30	G.	AΑC.	ΑТС	AGA	TCC	ACC	CmC.	2201															
		1 CI	TG:	ГAG	TCT.	ACG:	rcg	GAG	TCI	TGT	CA	GCG	GA	CGT	ACC	+	ACG		-+-				-+	360
b		N	1 :	r i	R (C s	S I	L (2 1	S		2	т.	н	G		2100	- NATIO	- -	M I (افاد	AG	σT	
		AG	TTZ	ATG	CAC	CACC	TOTAL	nma x	mmo															-
	36	TC	AAT	PACC	CTC		ZACA	+				+-			1'G'1'.	AGT +	CGC	TGA(AA'	FG#	AC	CT.	rg +	420
b											0110	·nn	1 12	GM	ACW.	I CA	JCG.	чСтс	TT	AC1	ΥG	GAZ	C	
		ma			, .	EL	, F	1	P	S	V	1	N	L	v	V	A	E	N	E	P	C	: .	-
	421	AC	AAG	TTP	CTT	GTC	TAC	CCT	CAC.	ACT	GGA	CC1	rgg	CTC	CCC	GA'	PAT?	TCC	TG	GA	GC:	rcg	G	
		AC'	TTC	AAT	'GAA	CAG	ATG	GGA	GTG'	TGA	CCT	GG	ACC	GAG	GGC	CT	TAZ	AGG	+ ACC	CT	CGZ	AGC	+ 4 C	
b		Ε	V	Т	C	L	P	s	H	W	т	V	ı	L	P	D	I	s	W	E	Τ.	C		
	481	TCT	rcc,	TGG	ጥሮአ	CCC	a mm	~ n n .	~~~															
	401	AGA	AGG	ACC.	-+- AGT	CGG	TAA	+	CGAT		'AA	+			+				+		MAC	-1G	ن + 5	40
b						Н						2.10	1111	300	CIC	وووو	TCG	CTG	SAA	GT'	$_{\text{TTC}}$	AC	3	
		AGT	$C\Delta C$	ית ייב	PCC	TOO	7000																	
	541	TCA	Cmc	COT	+	TGGC	-101	+-		ACA	GAC	CA	ATC	GG.	ACT	TTG	ACT	TGC	TG	GC1	AC	CTO	3	
b										-01	CIC	.61	IM	٠٠٠.	1GA	AAC.	ľGA	ACGC	AC	CGA	TG	GAC	- 6	UU
۵		V	S	Ι	L	Α	L	T	P	Q	s	N	G	; 1	r 1	. ,	г (e v	, ,	4	т	W	_	

FIGURE 2 (con't)

GAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCA CTTCTCGGACTTCCGGGCCTTCAGACGTTGACATTTAGAGTGACACTAAGCCACAGGGGT b
AGACACTGGAGGTGTATTATATATTCCAGGTGTATTATCAAGTTTCAAGTTTACCAAGTTTACCAAGTTTACCAAGTTTACCAAGTTTACCAAGTTTACCAAGTTTACCAAGTTTACAAATGCCCAACATAATATTATAAGGTCCACATAATAGTTCAAAATGCCTCAAAATCCAAA D T G G G I N I P G V L S S L P S L G F - TCATTGCCTACCTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC AAGTAACGGATGAACCCCGTTTCAACCTGAACCTGATCCTCCGTGGTACGAAGACTCCGG B S L P T W G K V G L G L A G T M L L T P - GACCTGTACCTTACAATACGCTGCTGCTGCTGCTGCTTCTTGTGGCTGCAACTG
61 AGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCAGGTTTTAGGTTT 61 TCTGTGACCTCCACCATAATTATAAGGTCCACATAATAGTTCAAATGGCTCAAATCCAAA b D T G G G I N I P G V L S S L P S L G F - TCATTGCTTACCTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC 721 AAGTAACGGATGAACCCCGTTTCAACCTGAACCTGATCGTCCGTGGTACGAAGACTGCGG b S L P T W G K V G L G L A G T M L L T P - GACCTGTACCTTACAATACGCTGCTGCTGCTGCTGCTTGTTGTGGCTGCAACTG 781
TCTGTGACCTCCACCATAATTATAAGGTCCACATAATAGTTCAAAATGCTCAAAATCCAAA b D T G G G I N I P G V L S S L P S L G F - TTCATTGCTACCTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC AAGTAACGGATGAACCCCGTTTCAACCTGAACCTGATCGTCCGTGGTACGAAGACTGCGG b S L P T W G K V G L G L A G T M L L T P - GACCTGTACCTTACAATACGCTGCTGCTGCTGCTGCTTGTTGTGGCTGCAACTG 781
D T G G G I N I P G V L S S L P S L G F - TTCATTGCTACCTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC AAGTAACGGATGAACCCCGTTTCAACCTGAACCTGATCGTCCGTGGTACGAAGACTGCGG B S L P T W G K V G L G L A G T M L L T P - GACGTGTACCTTACAATACGCTGCTGCTGCTGCTGCTTGTTGTGGCTGCAACTG
721 TCATTGCTTGGGCCAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC
+ 78 AAGTAACGGATGAACCCCGTTTCAACCTGAACGTCGTGCTACGAGACTGCGG b S L P T W G K V G L G L A G T M L L T P - GACGGGTACCTTTACAATACGCTGCTGCTGCCGCCGCTGCTTGTTGTGGCTGCAACTG
S L P T W G K V G L G L A G T M L L T P - GACGTGTACCTTACAATACGCTGCTGCTGCTGCTGCTGCTGCTGCTACTG
GACGTGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTG
781
UTGUAUATGAGAATCTTATCCCACCACCACCACCACCACCACCACCACCAC
TOTAL CARCACGCCGCAGCACACACCCCGCTTGAC
D TCTLTIRCCCCRRRCCGCNC-
CTGCTGCCGTTGTTGTTTCTGCTGTAGAAGAAAAAGAGGATTTCGTATTCAATTTCAAAA 641
SHOTTETTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
b CCRCCFCCRRKRGFRIQFQK-
GAAATCTGAAAAAGAGAAAGAGAAAGAAAGAAAGAAAGAA
CTTTAGACTTTTCTCTTCTGTTTGTTTCTTTGACTCTTTCACCTTTACTTTTGAG
b KSEKEKTNKETETESGNENS-
CGGCTACAATTCAGATCAAGAAAAGAGGGGAAA
961
D GYNSDEQKTTDTASLPPKSC-
TGAATCCACTCATCCTCAACAACAACAA
1021
TOTAL CALCAGE GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
ESSDPEQRNSSCGPPHQRAD-
TCAACGTCCACCCAGGCCAGCAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA AGTTGCAGGTGGGTCCGGTCGTTCACTACGCCTCCCCACAAAAGTCATCCCAAAAAGTCATCCCAAAAAAAA
TAGACCGGTCAGGACT
D QRPPRPASHPQASPNLASPE-
GAAGGTCAGTAATACAACTGTAGTATAG
CTTCCAGTCATTATGTTGACATCATATC
b KVSNTTVV* -

		1 -	GGT	GTG	AGT	CCA	GCC.	AA	CAG	TGI	'GG2	ATC	AGI	TT	CCT	'AG	GC TO	GCC.	A ጥ A	AAC	זממ	ACC:	ACCA	m
		1	CCA	CAC	TCA	GGT	GG'	TTO	TC.	ACA	CCI	ΓAG	TCA	AA(GGA	TCC	GA	:GG	ran	TG	TTI	CG	rggt	T + 60 A
	6	. A	ACC'	TGG'	TGG	CTTA	\GA	ACA	AT	GGA	AAG	GC.	ATT	TGC	TC.	ACG	GTT	CC	AGA	AG	CTG	ምአረ	GTT	_
		Т	TGG	ACC	ACC	CAA	CT	rgi	TAC	CT	TTC	CG	+ FAA	ACG	AG	+ TGC	CAA	GGT	CT	TCC	GAC	ATC	GTT CAA	+ 120
b																							s	_
	12	1 -	GGG1	СТС	GTA	ATG	AAC	TC	ATA	GAZ	AGG	CC	CCC	AGA	ATO	ЗСА	ACA	GTC	СТ	GA.	AGG	GCT	ccc;	4
		A	CCZ	GAC	CAT	TAC	TTC	AG	TAT	CT	rcc	GG	GG'	гст	TAC	+ CGT	TGT	CAG	GA	-+- CTI	CCC	CGA	GGG:	A + 180
b		(3 5	G	N	Е	V		Ι	E	G	P	Q	N	I	Α '	г	v	L	K	G	s	0	_
	18:	G0 1	CTC	GCT	TCA	ACT	GCA	CCC	GTC	TCC	CAC	GGG	CTO	GA	AGC	TC	ATC.	ATG	TGO	GC	TCI	rca:	GTGA	2:40
		CC	GAG	CGA	AGT	TGA	CGT	GG	CAG	AGG	GT(ccc	GAC	CT	rcg	AG'	rag:	rac.	ACC	cc CG	AGA	GT	CACT	2.40
ь		P	R	F	N	С	Т	7	7	S	Q	G	W	K	L	. 1	1	1	N	Α	L	s	D	_
	241	CA	TGG	TGG'	TGC:	PAAC	GCG'	TCA	GG	CCC	ATO	GA -+	GCC	CAT	CA	TCA	CCA	ATO	GAC	CG	СТТ	CAC	CTC	300
b													-00	GIA	1G I.	MG.I	GGJ	TAC	TG	GC	gaa	GTO	GAG	300
۵		TTC.	V	V	L	s	V	R	. 1	?]	M	E	P	I	Ι	Т	N	I)	R	F	Т	s	-
	301	 AC'	AGAC		4CGA	CCA	GGG	GCG	GGA	AC:	FTC	AC(CTC	GGA	GA'	rga -+-	TCA	TCC	AC.	AAT	rgt	GGA	GCC	360
b		0			D D					101	1210	100	MG	CT	CTA	ACT:	AGT	AGG	TG	TTA	ACA	CCT	CGG	300
		CAC	STGA	ייייי	ccc	יה מא	~ n m		~~ ~	~~~							I							-
	361	GTO	ACT	AAG	+	CTT	TA	-+-	מיחיי בייי	CCT		-+-	CAC	AA	CAG	TC:	GCC'	rgc.	ATC	GGA +	TC	rgc	TTA	420
b												JAG	GIC	. 11	310	AG(يىاتات	ACG'	ΓAC	СТ	AGA	ACG.	AAT Y	
	40-	CCT	TAC	CCT	CCA	COMO	n a ma	200																-
	421	GGA	ATG	GCA	GGT:	CAA	TAC	-+- CCC	TC	rcg.	ACA	+-	TAA	GGG	200	+	Amn	170	+	TA	GTC	GCT	GA -+	480
ь		L	Т	v	Q	v	М	G	Е	L	F		r	P	s s	T/	NT.	T T	AAC	AT	UAG	CGZ		
	191	GAA	TGAZ	ACCT	ртст	מ מ בצי	CTTO	ממח	mme														_	-
	481	CTT.	ACTI	GGA	ACA	CTT	CAA	TG	AAC	AG	TG	+	GT	 GTG	ACC	+ CTG	GGC	CGA	-+ GG	GCC	יתחי	 TAA	-+ !	540
b		N		P	С	E	v	т	С	L	P	5	S 1	-I	W	т	R	L	P	I) ,	T	AG S.	_
	541	CTG	GAG	CTC	CCT	CTC/	cmo	om.		~~-														
	541	GAC	CTC	GAG	CCA	GAG	GAC	CA	GTC	GGI	AA	+ GTI	CGZ	TA	ATA	AA	ACA.	AGG	-+: CC:	rcg	GGT	rcg	-+ 6 CT	00
b		W				LI				Н							v) <u>-</u>	

FIGURE 3 (con't)

GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1201 -----+ CCGGTCAGGACTCTTCCAGTCATTATGTTGACATCATATC

ASPEKVSNTTVV* -

b

the facilities day the same as

		A:	rgg7	rggc	AGG	AGO	CA	TGG	AAAA	TAG	AGAC	CCA	CCCG	CTT	cmc		~~~					
		T	ACCA	ACCG	TCC	TCC	GT.	ACCI	TTT	ATC	PCTC	CCM	CCCG GGGC	+			CTG	GT/	AAT	GAA	GTC	61
a																						
													G GCT									-
	0.	TA	TCT	TCCC	-+ 3GG0	GT		+	Tmc/		+		GCT	+-	AGGC	TCC	GCT'	FCA	ACI	GC?	CC	1 2
a																						
		Cm	cma.	~~.		Q	N	A	R	V	L F	G	s	Q	Α	R	F	N	C	Т		_
	121			JCAG	+	TG	3A.A	GCT	CATO	ATG	TGGC	CTC	TCAG	TGA	CAT	GGT	GGT	GC'	ГАА	GCG	TC	
		CA	JAGC	eGTC.	CCG	ACC	TT	CGA	STAG	TAC	ACCC	GAG	AGTC	ACT	GTA		+	CC			-+ :	
a		V	S	Q	G I	W	K	L	I	M V	V A	L	s	D	м	77	17	,			n.G	
	181																					
	101	TCC	'GGG	TAC	CTC	GGG	TAC	+- GTAG	TGG	 TTAC	-+-	200	GTG	-+		-AG	5TA	CGA	CC	AGG	GC -+ 2	40
a													T								G	
																					-	
	241	CCC		+			3AG	A1G	ATC:	ATCC	ACA/	TGT	GGAC	CCC	AGT	GAI	TCC	GG	GAA	CAT	C	
а																					+ 3 G	00
a		· .	IV L	5 T	S	I	3	M :	I I	H	N	V	E	P	S	D	S	C	NT.	-		
	301	rct <i>r</i>	CGI	'CGG	AGG'	TCT	TG:	rcag	CGG	ACG1	ACC	TAG	CGA	+			-+-			L'AT	3 + 3€	50
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	361	CTC	TCG	+- ACAA	AGTA	AG		+			+		+		AATC	AAC	CT1	rgt	GAA	GTI	. 43	^
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	Δ	CTT	omon			. P		V	N	L	V	V	A E	N	E	P	· c	: 1	Е	v	-	
	421 -	CIII	31()	IACC	CTC	AC/	CT	GGA(CCG	GCT	CCC	GAT	y cococo	~~~	~~~	ACC	TCG	GTO	CTC	CTG		
		0											. T T T	CCT	GGG	100						
	1	GMM	AGA	ATGG	GAG	TGT	'GA		GGC	CGA	GGC	CTA'	raaa	GGA	ccc	rcc	+			+	480)
a	т	C	L	ATGG P	GAG S	TG1 H	'GA W	т	GGC R	CGA(eggc P	CTA	raaa s	GGA W	CCC	rcg.	AGC	CAC	GAG	+ GAC	480)
a	T	C	L	P TTGG	GAG S	TG1 H	'GA W	Т	GGC R	CGA(P .	CTA	raaa s	GGA W	CCC	rcg L	+ AGC G	CAC	GAG	GAC	480	
a	T Gr 481	C C CAG	L CCA	P TTC/	GAG S AAG(TG1 H CTA	GA W TTZ	т	GGC R TGT	CGAC L ICCG	EGGC P GAG	CTA' D :	raaa : s	GGA W	CCC E	rcg.	AGC G	CAC	GAG	GAC	480	
a	T Gr 481	C C C C C C C C C C C C C C C C C C C	L GCCA GGT	P TTC: AAG1	S AAGO	TGT H CTA GAT	W TTA AAT	T ATTT 	R R TGT ACA	CGAC L TCCG + AGGC	P GAG	CTA'	FAAA S GCG	GGA W	CCC' E PTC	rcg L	AGC G	CAG	GAG	GAC	480	
	T G: 481 C/2	C C C C C C C C C C C C C C C C C C C	L GCCA GGT.	P TTCA AAGT	S AAGO PTCO S	H ETA GAT.	W TTA AAT	T ATTT AAA F	GGGC R TGT TGT ACA	CGAC L PCCG + AGGC	FGAGGC PGAGGCTCC	CTA' CCC GGGT	raaa s GCGa CGC	GGA W ACC': rGG <i>I</i>	CCC E PTCA NAGT	L L L L L L L L L L L L L L L L L L L	H AGC G GTG0 H CAC0	CAG CAG CAG CAG	FAGA TGA ACT	GAC	480 - 540 -	
	T 481	C C CAG AGTC S	L GCCA GGCT H	P TTCA AAGT	S AAGO PTCO S GACO	TGT H CTA SAT. Y	W TTA AAT Y	T ATTT AAA F GAGG	R TGT ACA	CGAC L TCCG AGGC P	FGAGGC FGAGGCTCC FIACTT	CTA' CCCA GGGT TGA	FAAA GCGA CGCT	GGA W ACC: FGGZ L	CCC' E PTCA AGT	L LAAC TTC	AGC GTGG	CAG	FAG TGZ ACT	GAC	480 - 540 -	
	T 481 C/2 V 541 TA	C PCAG AGTC S PCCT	L GCCA GGT H GGC	PATCA TTCA AAGT S TCTG	S AAGG PTCG S SACC	H CTA SAT. Y CCA	TTA TTA AAT Y ACA	T ATTT AAA F GAGG	GGGC R TGT ACA V CAAT	CGAC L TCCG AGGC P CGGG.	EGGC P GAG CTC E I ACTI	CTA' CCCA GGGT CTGA TGA ACT	raaa s GCGa CGC	GGA W ACC' FGGA L GCGT	CCC' E PTCA AAGT Q PGGC	L L AAG TTC	AGC GTGG	CAC I CAG GTC V	FAGA	GAC	480 - 540 -	

FIGURE 4 (con't)

		6N1	C'	rga.	AGG	CCC	GC A	AG:	ГСТ	GCA.	ACTO	TAA	ATC	TCA	СТС	тса	ጥጥረ	cc	топ	1000		GAC		
		001	G.	ACT	rcc	GGG	CGT	TCZ	CAC	-+			~+~			-~+				-+-	CAA	IGAC.	ACT	660
а														101	GMC.	WC I	AAG	SCC.	AC A	GGG	CTT	CTC	מ ייסת	000
			GG	AGG	TCC	יי אידיב	ע חים	λmx	mme													D 1		~
	6	61				-+-				+		TAT	TAT	CAAC	TT.	rac(CGA	GT'	TTA:	GGT	TTT	TCAT	ΤG	
a															-m	1100	oC.I.	CA	AAT	ירא.	ΔΔΔ	ACTA	D.C.	720
a			G	G	G	I	N	Ι	P	G	V	L	S	s	L	P	s	I		2 1		с т		~
	7	21		TAC	TTG	GGG	CAA	AG'	rtg	GAC'	TTG	GAC	rago	AGG	CAC	CAT	GC:	rrc	TGA	CG	CG	ACGT	Cm.	
			GG	ATG	AAC	ccc	GTI	TC	AAC	CTG	AAC	TG	TCG	TCC	GTG	-+- GTA	CG		200	+		ACGT	-+	780
a			P	Т	W	G	ĸ	v	G	L	G	L	A	G	т	м	T.	T.	T.C.I	. GC	eGC1		CA	
	7.		ACT	ቦጥጣባ	ים בי	ላ ክ ጥ ነ		Ome																-
	/ (3 1	TGA	GAA	TGT	-+	rec	CAC					+			-+-	TGG	CT 	GCA	ACT +	GCI	GCT(GC .	240
a													ooc.	100	JWC!	MAC.	ACC	GA	CGT	TGA	റവ	CCAC	G	940
																							-	
	84	1 -				+	-TG(JTG	TAG	AAG	AAA	AAG.	AGG	LAAI	CTC	SAAZ	AAA	GA(SAA	GAC	AAA	CAAA	G	
	781 TGAGAATGTATAGGCAGCGCGCGCGCGCAGCAACAACACCGACGTGCTGCCCCCCCGCGCAGCAACAACAACGACGACGACGACGACG																							
а		М	(C (Ξ.	F	С	С	R	R	K	R	G	N	L	K	K	R	R	0	TP.	10		
	90																							
		т	TTC	GACT	CTC	GTC:	TTT	CAC	CT	TAC	TTT	+ ТСА	ccc	CCN	~ ~ ~	+	~		+			ACC.	n. ⊦9.	60
а																							r	
		(:)	AGA	$C\Delta C$	CCC	mme	ma				ĸ												-	
	961				+				-+-	CCA	AAT	CCT +	GTG.	AATO	CA	STG	ATC	CT	GAA	CAA	AGA	AACA		
a																							10	20
a		Q	Т	P	L	L	, 5	3 :	L	P :	N .	P 1	<i>7</i> 1	J F	, ,	, ,	. :	r,	N	ĸ		m		
	1021	GI	AG	CTG	TGG	CCC	TCC	TC.	ACC.	AGC	GGG	CTG2	ATC	ACG	TCC	ACC	CA	GC.	ממי	ימי	Cmc	מת מי		
	1021	CA	TC	GAC	ACC	GGG.	AGG	AG'	rgg	TCG	CCC	GACT	AGT	TGC	~-+	TCC	Cmc		-+-			TAG	10	80
а		V	Α	v	А	L	L	, 1		s c	3 I	. т	N	17	1100	200	.610		GTC	GTT	CAC	STAG		
		(:A	$C \Delta C$	CCC	D D	nmm	m = =	ma-														Ι	-	
	1081	GT	GTC	CCZ	-+-				+			-+-	GAA	GGT	CAG	TAA	TAC	AA	CTG	TAG	TAT	'AA		
а										, , , ,	1100	MUL	CIT	LCAC	JTC.	ATT.	AТG	TT	GAC	ATC	ATA	I	. L 3 9	ð
		п	K	ъ	L	L	Ι	W	F	v	L	R	R	s	V	I	Q	1	L	*				

	FIGURE 5
	GTGAACGAGATACAGAGATTTACCTGCCTGAGGTAAGGAAGATCATGCTGAGATGGAGGG
	1
ŀ	CACTTGCTCTATGTCTCTAAATGGACGGACTCCATTCCTTCTAGTACGACTCTACCTCCC
	M E G ~
	CAGCTGGAGAGATGTCCTGGCTGTGCTGGTCATCCTGGCTCAGCTGACAGCTTCCGGATC
	61 GTCGACCTCTCTACAGGACCGACACGACCAGTAGGACCGACTCGACAGCTTCCGGATC 120 GTCGACCTCTCTACAGGACCGACACGACCAGTAGGACCGAGTCGACTGTCGAAGGCCTAG
b	SWRDVLAVLVILAQLTASGS-
	CAGTTATCAGATCATAGAAGGTCCTCAGAATGTTAACAGTCCTAAAGGACTCAGAGGCTCA GTCAATAGTCTAGTATCTTCCAGGAGTCTTACATTGTTCACCATTGTTACACTAGAGGCTCA 180
b	
b	SIQIIEGPQNVTVLKDSPAU
	181 GAAGTTGACGTCAGGCTGGAGGCTTCTCATGTGGACTCTTAACCAAATGGT GAAGTTGACGTGGCACTGAGGTCCCGACCTTCGAAGAGTACACCTGAGAATTGGTTTTACCA
b	
	FNCTVTHGWKLLMWTLNQMV-
	GGTGCTGAGTCTCACCACCCAAGGACCCATCATCACCAACAACCGCTTCACCTATGCCAG CCACGACTCAGAGTGGTTGCGTTCCTGGGTAGTACTCATCCTATGCCAG CCACGACTCAGAGTGGTTCCTGGGTAGTACTCTTTCTTTC
	CCACGACTCAGAGTGGTTGCTGGGTAGTAGTGGTTGTTGGCGAACTCCAACACACAC
b	V L S L T T Q G P I I T N N R F T Y A S -
	301 AATGTTGTCGTGACTGCGAGTAGGAGTCAACTAGTAGCACCCCAGTGA AATGTTGTCGTGACTGCGAAGTAGAGCCTCAACTAGTAGGATACAACGTCGGGTCACT
b	
	YNSTDSFISELIIHDVQPSD-
	CTCGGGATCCGTGCAATGCAGCCTGCAGAACAGCCATGGGTTTGGATCTGCCTTCCTCTC GAGCCCTAGGCACGTTACGTCGGACGTCTTGTTGCTACCCAAACAGCCAAACAGCAAACAGCAACAGCAAACAGCCAAAACAGCCAAAACAAACAAACAAACAAC
	GAGCCCTAGGCACGTTACGTCGGACGTCTTGTCGGTACCCAAACCTAGACGCAACCAAACCTAGACGAACCAAACCTAGACGAACCAAACCTAGACGAACCAAACCTAGACGAACCAAAA
b	S G S V Q C S L Q N S H G F G S A F L S -
	421 TCACGTTCAGGGACCCTGAACATTCCTAGCAACAACCTTATAGTCACTGAGGGTGA TCACGTTCAGTACCCCTGGGACTTGTTAGGATCGTTGTTGGAAAAACACTTAGTCACTGAGAACACTGAGAACACTGAGAACACTGAAAAACACTGAAAAACACTGAAAAAACACTGAAAAAAACACTGAAAAAAAA
b	
	V Q V M G T L N I P S N N L I V T E G E -
	481
	TGGGACATTACACTGAACGATACGGCACCCGACCTGGAGTGAGGGGCCTATAAAGGAGGG
b	PCNVTCYAVGWTSLPDISWE-
	GCTTGAGGTTCCCGTAAGCCATTCGAGTTACAATTCCTTTCTGGAGCCGGGCAACTTTAT CGAACTCCAAGGGCATTCGGTAAGCTCAATGTTAAGGAAACCCGGGCAACTTTAT
b	
~	LEVPVSHSSYNSFLEPGNFM -
	L L L

FIGURE 5 (con't)

														on t)										
		601	GA	GGG	TCT	TGA	GTG'	rcc	TGG.	ACC'	TCA	CA	CCA	TGG	GCA	ACC/	2010	-cme						
			CT	CCC	AGA	ACT(CAC	\GG	ACC	TGG		VOTE	-+-		GCA CGT	-+-			GA(TTC	GTG'	rgg	C + 6	60
	b																							00
															N									
		661	TC1	· · ·	CON	-+			-+-			AG1	+	TAA	CTG:	CAA	CCT	GAC	TGT	GGT	TCA	.GC	С	
	b																							20
	~			ш	r,	Ъ	L	Q	А	S	K	S	L	T	V	N	Τ.	Tr.	17		_	_		
		721			TGA	CAG	TAT	TGG	AGA	GGA	AGC	CC	CAG	CACI	GCC	GAC	CTC	ccc	7 A m		~~-			
			AGG	TGG	ACT	GTC.	ATA	ACC'	TCT	CCT	rcc	GG	TC:	TGA	CGG	+ CTG	3000		+			+	78	0
k	•		E	P	D	S	I	G	E	E	G	P	A	L	P	T	w	a	т	7				
	-	781 -																						
		81	CG1	CA	CCG	+ GAAA	AGG	AAC	CAC			+					ATT	ATA	ATA +	TTC	TGT	TG	94	1
b																								,
		_	'mc'm	man			3	ь	ь	L	Ι	L	Ι	I	v	L	Ι	I.	I	F	C	С	_	
	8	41 - G				TCC	AGG.	AGA	GAA +	AAG	GAA	AGA.	ATC	TACT	TAT	CAA	AAT	GAA	ATA.	AGG,	AAA	TC		
		٠	ACA	MCH	الرابال	AGG	TCC'	TCT	CTT	TTC	CTI	'CT'	rag.	ATGA	ATA	GTT	יבייי			DOO!		-+		
b			C (C	A	S I	R I	٦ ;	E ;	K j	Е	Е	S	m	Y	^ ,			. A1.	ICC:	1-1-17	4G		
	9()1 - A(GT	rrg	+ TAC'	rcca		7000				-+-		ACA	AAG	PTA.	AAA	GTG	GAA	AGG	SAA2	A		
b																								
				٠.,	n 1	< 1	N	F	Z.	ı E)	P	E	T ;	КІ	, R		_	77	_			_	
	96	1			ACA	GTT	'CGG	ATG	AGG	CAA	AG	GCT	GCA	CAG	ACTO	רבים	CTC.	TICO.	ama	~				
		GA	TGC	CCA	TGT	CAA	GCC	TAC	TCC	GTT	TCC	-+- :GA	CGT	GTCT	GAC	CTA	CAC	+				+ 1	1020	
b		Y	G	Y	S	S	D	Е	А	K	Z	. :			` A	OIA.	GAG	4666	3AG	GAT'	TTA	G		
		TG	CTG.	AAG	TCA	GCC	דיזיכינ	'AC		770			. ,	2 1	A	S	L	P	P	K	S	-		
	102	ACC	ZAC	TTC	~+-			-+-			эСА 	+	AGT/	GCC	TTC	CTT	ATC	AGGA	AC1	CAZ	ATA	A		
b																							080	
		- ^	E	V	S	L	P	Ε	K	R	S	S		L	P	v	0							
	1081					FICC	AGC	AAC	TCA	TCC	AC	GGG	TTT	CCT	TTGZ	Сът	ccc	CAC	maa					
	1081	101	MGI	CGC	aGC(AGG	TCG	TTG	AGT	'AGG	TG	ccc	AAA	GGA)	ACT	CTA	ccc	-+-			+	1:	140	
b		Н	Q	P	G	P	А	т	Н	Р	R	V	c	P	D	GIM	نارانا	JTC.	AGG.	AGT	CTT			
	114:	GGT	CAG.	AAA	TGT	'GAC'	TTT	ዓርጥ	ርጥአ	ልጥኦ			ים	r	GAC	T	A	s	P	Q	K	-		
	1141	CCA	GTC		+	CTC:		-+-			+	AC'	rrc'	LCAT	GAC	TGT.	ACT'	rgg1	'GC	A				
b										rat.	rtc	TG	AAG	GTA	CTG.	ACA:	rga,	CCA	CGI	- 11	195			
-		v	ĸ	N	V	T	L	V	*															

	110012 0
	GTGAACGAGATACAGAGATTTACCTGCCTGAGGTAAGGAAGATCATGCTGAGATGGAGGG
	1
b	CACTTGCTCTATGTCTCTAAATGGACGGACTCCATTCCTTCTAGTACGACTCTACCTCCC
۵	M E G -
	CAGCTGGA CACATICTTCCTCCTCCCTCCCCCCCCCCCCCCCCCCC
	61+
b	THE THE CANCEGAGIC GACTGTC GAAGGCCTAG
~	- " N D V L A V L V I L A Q L T A S G S -
	CAGTTATCACATCATACAACCAACCA
	121
b	THE ATTENTION OF THE AT
-	SYQIIEGPQNVTVLKDSEAH-
	CTTCAACTGCACCCTCACTCACTCACTCACTCACTCACTC
	181
b	TCGAAGAGTACACCTGAGAATTGGTTTACCA
	FNCTVTHGWKLLMWTLNQMV-
	GGTGCTGACTCTCACCACCAA
	241
b	THE TOTAL STATE OF THE TOTAL STA
	V L S L T T Q G P I I T N N R F T Y A S -
	TTACAACAGCACTGACAGCTTCATCTCGGAGTTGATCATCCATGATGTGCAGCCCAGTGA
	301
b	Y N S T D S F I S T
	YNSTDSFISELIIHDVQPSD-
	CTCGGGATCCGTGCAATGCAGCCTGCAGAACAGCCATGGGTTTGGATCTGCCTTCCTCTC GAGCCCTAGGCACGTTACGTCGGACGTCTTCTCCCTTACCCA
	GAGCCCTAGGCACGTTACGTCGGACGTCTTGTCGGTACCCAAACCTAGACGGAAGGAGAG
b	S G S V Q C S L Q N S H G F G S A F L S -
	AGTCCAACAGAGTATTTTTTTTTTTTTTTTTTTTTTTTT
	AGTGCAAGACAGTATTGGAGAGGAAGGCCCAGCACTGCCGACCTGGGCCATCATCCTGCT TCACGTTCTGTCATTACCTTCTCTGGGTCTTAACCCCTTGCATCACCCTTCTCATACCCTTCTTCATACCTTCTTAACCCTTCTT
	TCACGTTCTGTCATAACCTCTCCTTCCGGGTCGTGACGGCTGGACCCGGTAGTAGGACGA 480
b	V Q D S I G E E G P A L P T W A I I L L -
	GGCAGTGCCCTTTTTTCCTTTCCTTTCCTTTCCTTTCTTT
	GGCAGTGGCCTTTTCCTTGCTCTTGATCCTGATCATTGTTTTGATTATAATATTCTGTTG CCGTCACCGGAAAAGGAACGAACTAGGACTACTAACTAAC
	TAGIAACAAACTAATATTATAAGACAAC
b	AVAFSLLLILIVLIIFCC-
	CTGTTGTGCCTCCACCACACAAAAAAAAAAAAAAAAAAA
	CTGTTGTGCCTCCAGGAGAAAAGGAAGAATCTACTTATCAAAATGAAATAAGGAAATC GACAACACGGAGGTCCTCTTTTTCCTTCTTACAACAATGAAATGAAATAAGGAAATC 600
	TO THE TAGATGAT TAGTT TACTTTATTCCTTTAG
b	C C A S R R E K E E S T Y Q N E I R K S -
	TGCAAACATGAGGAAAGAAAGAAAGAAAGAAA
	601
,	TO A CONTROL OF THE C
b	ANMRTNKADPETKLKSGKEN-
	1 5 G K E N -

FIGURE 3 (con't)

														con't									
		601	CC	TTC	AAA	GTG	CAG	rga(CAT	CCI	GG	CTC	TG	ACC	CCAC	AGA	CAZ	TTCC	CAC	mmr	0034	7000	_
			GG.	AAG	TTT	CAC	TCA	ACTO	GTA	GGA	CCC	GAG	+ AC1	rgge	CTC	~+			-+-		GAC		G + 660
	b		L	Q	s	A	v	s	I	L	A	L	т	, t	. 0	1010	M.	ACC	CTG	AA.	CTC	SAA	С
		561	CG	TGGG	ጉጥ አለ	$\neg c \neg c$	CAN	0.0	-														
	,	10 T	GC	ACC	GAT(GGAC	CTT	CTC	CCA	~			+			-+		~~~	-+-	CAC	TGT	'GA'	r + 720
3	b					W								101	OAC	2110	$M \subset M$	TTTZ	^{4}GA	GTG	ACA	CT:	Δ.
			TCC	CTC	TOC	7007	202	~~~															
	7	21	AGC	CAC	AGG	+	TCm/		-+			+		ATA	TTCC	AGG +	TGT	ATTA	TC	AAG	TTT.	ACC	780
h														*****	MGG	TCC	ACA.	LAAT	'AG'	rtc.	AAA'	ΓGC	
						Q	D	Т	G	G	G	Ι	N	I	P	G	v	L	s	s	L	P	-
	7	81	∍AG	TTT	AGG	TTT:	TTC	ATTO	CCT	ACT	TGO	GG	CAA	AAGI	TGG	ACT:	rgg <i>a</i>	СТА	GCA	GGC	CACC	AT	840
		(TC.	AAA	TCC.	AAA	AGT	'AAC	GGA	TGA	ACC	CC	GTI	TCA	ACC	+ TGA	CCT	GAT	+ CGT	ccc	TGG	-+ ΔΤ:	840
b			S	L	G	F	S	L	P	T	W	G	K	V	G	L	G	L.	A	G	т	м	_
	84	11 -	CT:																				
	-	C	GAZ	AGAG	TGC	GGC	TGC	ACA	TGA	GAA	 TGT	-+- TAT	GC	GAC	GACC	ACC			+			-+	900
b			L	L	т	P	т	c f	rı	5 9	г	т	R	C	C	<i>-</i>	acu	-	oCAI	эCА	ACA	AC	
		415	(4(40	יידיכיר	'A AC	TOO	TOO	DOO!	~~~														
	90	1 - A	CCG	ACG	TTG	ACG	ACG	ACCC				-+-			+	AGA	AAA/	AGAC	GAT	PTTY	CGT	AT	960
b														J. IC.	$T \cap T$	TCI.	TTT7	CTC	CTZ	ιΔΔι	CA	רח	, , ,
		то	ממי	ጥጥ	CAA	C (. r			: 1		С	С	R	R I	< F	G	F	F	٦ ا	ľ	-
	96	1			+	AAGA	·	CTC	AAA	AAG	AGA	AG.	ACA	AAC	AAA	GAA	ACTG	AGA	CAG	AAA	GTO	G	1020
b												10.	. 61	110	1111	-111	GAC	TCT	GTC	TTT	CAC	.C	
b		Ç	! !	F (2 1	K K	S	Е	K	E	K	1	r	N	K I	ΞТ	E	т	E	S			_
	1021	. A.A	ATO	JAA/	AAC'	rccg	GCT	ACA	ATT	CAG	ATG	AAC	AA	AAG	ACC/	CAG	AAA	CCG	тт	CTC	тсс	c	
	1021	TT	TAC	TTT	TG	AGGC	CGA	TGT	TAA	GTC:	rac	TTC	TT	TTC	+- TGGI	GTC	~~- TTTT	+-		200		+ 1	.080
ь		N	E	N S	I S	G G	Y	N	s	D	Е	ç	. 1	ĸ '	гт	, E	T	D D D	c	JAG.	-DOM	G	
	1081	TC																					
	1081	AG	GGT	TTA	-+- GGA	CAC	TTAC	GTO	ACT	'AGC	AC	+		PCTT	+-			-+-		.TC	TC	4 ⊦ 1	140
b						Е								LCI.	LIGI	CAT	JGAL	ACC	GGG	AGG	FACT	P	
		CCZ	CC	CCC		A ITIO Y	300																
	1141	GGT	· · ·		-+-	ATC		-+-	ACC	CAG	GCC	AG	CAA	GTC	ATC	CACA	GGC	TTC	TTT	TAA	TCI		300
b													J I I	CAG	TAG	2101	CCG	AAG.	AAA	АТТ	'AGA		400
		Q	R	A	D	Q	R	P	P	R	P	A	s	Н	P	Q	A	s	F	N	L	_	

																		_				
	661	CT	ACG	GT.	ACA	GTT	CGG	ATG	AGG	CAA	AGGG	CTG	CAC	AGA	TGC	CATO	CTC:	rcco	CTC	CTA	AATC	
	001																				TAG	
b		Y	G	Y	S	S	D	E	A	K	A	Α	Q	Т	Α	S	L	P	P	K	s	-
	721	TGO	TGA	LAG'	CAC	CC.	TCC	AGA	AAA	ACC	CAC	CAC	TAC	CCI	TCC	TT	TCA	GGA	AC:	CAA	AATA	780
		ACG	ACT	TC	AGTC	GGA	AGG	TCI	TTT	TGC	GTC	GTC	ATC	GGA	AGG	AAT	AGT	CCI	TG	GTT	ATT	780
b																					K	-
	781	ACA	TCA	GCC	CGG	TCC	AGC	AAC	TCA	TCC	ACG	GGT	TTC	CTT	TGA	CAT	CGC	CAG	TCC	TCA	GAA	
		TGT	AGT	CGG	GCC	AGG	TCG	TTG	AGT	AGG	TGC	CCA	AAG	GAA	ACT	GTA	GCG	GTC	AGG	AGT	CTT	840
b		Н	~																	_	K	-
	841	GGT	CAG	AAA	TGT	GAC	TTT	AGT	GTA	ATA	AAG.	ACT	TCT	CAT	GAC	TGT	ACT	TGG	TGC	A		
		CCA	GTC	TTT	ACA	CTG	AAA	TCA	CAT	TAT	TTC'	TGA	AGA	GTA	CTG.	ACA	TGA.	ACC.	ACG	- 8 T	95	
b		V	R	N	V	т	L	v	*													

	FIGURE 7	
	GTGAACGAGATACAGAGATTTACCTGCCTGAGGTAAGGAAGATCATGCTGAGATGGAGGG	
	1 CACTTGCTCTAAGGATTTACCTGCCTGAGGTAAGGAAGATCATGCTGAGGATGGAGGG CACTTGCTCTATGTCTCTAAATGGACGGACTCCATTCCTTCTAGTACGACTCTTACCTCCCC	50
b	5	
	CAGCTGGAGAGATGTCCTGGCTGTCATCCTGGCTCAGCTGACAGCTTCCGGATC	
	61 GTCGACCTCTCTACAGGACCGACACGACAGGACGAGAGCTAGGACCGAGCTAGGACCGACGAGCCTAG	20
b	S W R D V L A V L V I L A Q L T A S G S -	
	121 GTCAATAGTCATAGAAGGTCCTCAGAATGTAACAGTCCTAAAGGACTCAGAGGCTCA 1 GTCAATAGTCTAGTATCTTCCAGGAGTCTTACATTGTCAGGATTTTCCTAGGTCTTCCAGGT	80
b	SYQIIEGPQNVTVLKDSEAH-	
	181 GAAGTTGACGTGGACTGACGACGTTCTCATGTGGACTCTTAACCAAATGGT GAAGTTGACGTGGCACTGAGTGCCGACCTTCGAAGAGTACACCTGAGAATTGGTTTACCA	0
b	FNCTVTHGWKLLMWTLNQMV-	
	241 CACGACTCAGAGGGCCCATCACCACAACAACCGCTTCACCTATGCCAG CCACGACTCAGAGTGGTGGGTTCCTGGGTAGTAGTGGTTTGGCGAAGTTGGATACGGTC	0
b	V L S L T T Q G P I I T N N R F T V A C	
	AATGTTGTCGTGACTGTCGAAGTAGAGCCTCAACTAGTAGGTACTACACGTCGCGTCACT)
b	Y N S T D S F I S E L I I H D V O P S D	
	361	
	GAGCCCTAGGCACGTTACGTCGGACGTCTTGTCGGTACCCAAACCTAGACGGAACCACAC	
b	SGSVQCSLQNSHGFGSAFIS	
	421	
b	TCACGTTCTTAGATGAATAGTTTTACTTTATTCCTTTAGACGTTTGTACTCCTCTTTGTT	
a	V Q E S T Y Q N E I R K S A N M R T N P	
	AGCAGATCCGGAGACAAAGTTAAAAAGTGGAAAGGAAAACTACGGGTACAGTTCGCATCA	
b	TCGTCTAGGCCTCTGTTTCAATTTTTCACCTTTCCTTTTGATGCCCATGTCAAGCCTACT	
D	ADPETKLKSGKENYGYSSD	
	GGCAAAGGCTGCACAGACTGCATCTCTCCCTCCTAAATCTGCTGAAGTCAGCCTTCCACA	
b	CCGTTTCCGACGTGTCTGACGTAGAGAGGGAGGATTTAGACGACTTCAGTCGGAAGGTCT	
D	A K A A Q T A S L P P K S A E V S L P E -	

FIGURE 7 (con't)

	601	AAA	AAAACGCAGCAGTAGCCTTCCTTATCAGGAACTCAATAAACATCAGCCCGGTCCAGCAAC																			
	501																				+ TTG	
b		K	R	s	S	S	L	P	Y	Q	E	L	N	K	Н	Q	P	G	P	А	т	_
	661	TCA AGT																				720
b		Н															N					_
	721	GTA.	ATA	AAG.	ACT +	TCT	CAT	GAC	TGT	ACT	TGG	TGC	A 7									
b		*																				

1	
1MEGSWRDVLAVLVILAQLTASGSSYQIIEGF	0 32
1 MAYSCQPLQESPLLGFPRLRFIHLFVL.LLVGLLQI.SSGIVGQVSKSV	7D 40
33 NVTVLKDSEAHFNCTVTHGWKLLMWTLNQMVVLSLTTQGPIITNNR	. 48
49 EKALL.SCDYKF.CSEEQSIHRIYWQKHDKMVLSVISGVPEVWPKYYKNR	F 79
80 TYASYNSTDSFISELIIHDVOPSDSGSVOCSLONGUCEGGARY	
97 VYDIANNYSFSLLGLILSDRGTYTCVVQRYEG.GSYVVKHLTTV	Q 125 :
126 VMCTI NI DCATTE TARREST	
126 VMGTLNIPSNNLIVTEGEPCNVTCYAVGWTSLPDISWELEVPVSH:	3 171
172 SYNSFL EP GNFMRVLSVLDLTPLGNGTLTCVAELKDLQASKSLTVNI	4 T88
: : :	218
210 THE STATE OF T	234
219 TVVQPPDDSIGEEGPALPTWAIILLAVAFSLLLILIVLIIIF	261
	201
262 CCCCASPD EVERGRAVOURS	284
262 CCCCASRR.EKEESTYONEIRKSANMRTNKADPETKLKSGKENYGYSSDE	310
THE KINGLASKETNKNLYIGPVEAAAEOTV	221

1MGLVIFLHGSGSGNEVIEGPQNATVLKGSQARFNCTVSQ	39
1 MEGSWRDVLAVLVILAQLTASGSSYQIIEGPQNVTVLKDSEAHFNCTVTH	50
40 GWKLIMWALSDMVVLSVRPMEPIITNDRFTSQRYDQGGNFTSEMIIHNVE	89
51 GWKLLMWTLNQMVVLSLTTQGPIITNNRFTYASYNSTDSFISELIIHDVO	100
90 PSDSGNIRCSLONSRIHGSAVITAOVAGELET DEDGE	139
.:	139
2 - I ENDIE GOAT DS V QVMG TENT PSNNLIVTEGEPCNVTCY	150
140 PSHWTRLPDISWELGLLVSHSSYYFVPEPSDLQSAVSILALTPQSNGTLT	189
FSHWIRLPDLSWELGLUSHSSYYFVPEFSDLOSAVSILALTPOSNGTLT	200
190 CVATSIVCI VADVOS TIPE	
CHAIMASMARKSATVNLTVIRCPQDTGGGINIPGVLSSLPSLGFSLPTW	239
201 CVAELKDLQASKSLTVNLTVVQPPPDSIGEEGPALPTW	238
240 GKVGLGLAGTMLLTPTCTLTIRCCCCRRRCCGCNCCCRCCFCCRRKRGFR	289
239 AIILLAVAFSLLLIIVLIIIFCCCCASRREKEEST	
290 TOFO KKERVEYENDER	275
290 IQFQ.KKSEKEKTNKETETESGNENSGYNSDEQKTTDTASLPPKSCE	335
270 TONETRASANMATNKADPETKLKSGKENYGYSSDEAKAAQTASLPPKSAE 3	325
336 SSDPEQRNSSCGPPHORADORPPRPASHDOACENE ACRES ACRES	
326 VSLPEKRSSSL. PYQELNKHQPGPATHPRVSFDIASPOKVENNYTIVY 373	